

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD2095_01_s_2013_14				
Comment Code					
Inspector Comment					
The O&M Manual is available at the office.					

No Photos

LM Start		Rating **	A	Issue No.	17
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				
DWR ID	DWR_RD2095_01_s_2013_17				
Comment Code					
Inspector Comment					
The LMA has a current flood fight training and a flood fighting plan.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	19		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Emergency Supplies & Equipment				o		o
					o		o
DWR ID	DWR_RD2095_01_s_2013_19						
Comment Code							
Inspector Comment							
Flood fighting supplies available on-site at the warehouse.							

No Photos

LM Start	0.05	Rating **	M	Issue No.	8
LM End	0.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.770586 °	37.770223 °
				-121.326571 °	-121.325832 °
DWR ID	DWR_RD2095_01_s_2017_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2095_322_8_20170421_00027.jpg



View of the vegetation on the levee slope.

LM Start	0.08	Rating **	M	Issue No.	3
LM End	0.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.770528 °	37.770528 °
				-121.326198 °	-121.326198 °
DWR ID	DWR_RD2095_01_s_2016_3				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD2095_322_3_20170407_00004.jpg



Recent view of the vehicle tracks on the waterside levee slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Unit No. 01 Paradise Cut	Left	1.45	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	0.08	Rating **	M	Issue No.	3 (cont)	
LM End	0.08	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			37.770528 °		37.770528 °
				-121.326198 °		-121.326198 °
DWR ID	DWR_RD2095_01_s_2016_3					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						

Photo 2 of 2 : SP_2017_RD2095_322_3_20170407_00005.jpg



View of the vehicle tracks on the waterside levee slope.

LM Start	0.09	Rating **	M	Issue No.	12
LM End	0.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.770429°	37.770429°
				-121.325986°	-121.325986°
DWR ID	DWR_RD2095_01_s_2016_12				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD2095_322_12_20170407_00010.jpg



Recent view of the vehicle tracks on the landside levee slope.

LM Start	0.09	Rating **	M	Issue No.	12 (cont)
LM End	0.09	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD2095_322_12_20170407_00011.jpg



View of the vehicle tracks on the landside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

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Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	0.11	Rating **	M	Issue No.	134
LM End	0.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.770212°	37.770212°
				-121.325675°	-121.325675°
DWR ID	DWR_RD2095_01_s_2014_134				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2095_322_134_20170407_00012.jpg



View of the vehicle access on the waterside levee slope.

LM Start	0.15	Rating **	M	Issue No.	10
LM End	0.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.769997°	37.769997°
				-121.325055°	-121.325055°
DWR ID	DWR_RD2095_01_f_2015_10				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
LMA is actively controlling access.					

Photo 1 of 1 : SP_2017_RD2095_322_10_20170407_00008.jpg



View of the vehicle tracks on the waterside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

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Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	0.72	Rating **	M	Issue No.	1
LM End	0.73	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.763630 °	37.763630 °
				-121.319000 °	-121.319000 °
DWR ID	DWR RD2095 01 s 2017 1				

Comment Code

Inspector Comment

07/20/2016: No significant change observed.
 08/04/2015: No significant change observed.
 08/26/2014: No significant change observed.
 08/28/2013: No significant change observed.
 07/18/2012: No significant change observed.
 09/02/2011: No significant change observed.
 09/22/2010: No significant change observed. There is now considerable vegetation at the water line and along the lower berm slope. However, the erosion on the lower berm slope is still present and has not been corrected.
 08/06/2010: Recommended for local maintenance issue, per CLRO.
 07/29/2009: No major change since last visit; noticeable vegetation growth; erosion is on berm, but if left untreated, it will eventually erode into levee prism; site is recommended for annual assessment and monitoring of the site, per CLRO CES 2008 Report; Site # is the same as RM6.80, LM0.73; previously rated "U".
 07/22/2008: Downstream of WPRR near siphon pipe & pump; sandy levee; visited by Jeff Van Gilder and LRO in 2008 for repair assessment; scouring downstream of RR crossing, possibly caused by eddy effects.
 03/13/2007: Site visited on 03/13/2007. [2016 Site ID:RD2095U01RM6.74]

LM Start	0.72	Rating **	M	Issue No.	1 (cont)
LM End	0.73	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2017_RD2095_322_1_20170407_00001.jpg



Looking at the erosion from the RR bridge.

Photo 2 of 3 : SP_2017_RD2095_322_1_20170407_00002.jpg



Looking down at the erosion downstream of the RR bridge.

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Unit No. 01 Paradise Cut	Left	1.45	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	0.72	Rating **	M	Issue No.	1 (cont)	
LM End	0.73	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.763630 °	37.763630 °	
				-121.319000 °	-121.319000 °	
DWR ID	DWR_RD2095_01_s_2017_1					
Comment Code						
Inspector Comment						
07/20/2016: No significant change observed.						
08/04/2015: No significant change observed.						
08/26/2014: No significant change observed.						
08/28/2013: No significant change observed.						
07/18/2012: No significant change observed.						
09/02/2011: No significant change observed.						
09/22/2010: No significant change observed. There is now considerable vegetation at the water line and along the lower berm slope. However, the erosion on the lower berm slope is still present and has not been corrected.						
08/06/2010: Recommended for local maintenance issue, per CLRO.						
07/29/2009: No major change since last visit; noticeable vegetation growth; erosion is on berm, but if left untreated, it will eventually erode into levee prism; site is recommended for annual assessment and monitoring of the site, per CLRO CES 2008 Report; Site # is the same as RM6.80,LM0.73; previously rated "U".						
07/22/2008: Downstream of WPRR near siphon pipe & pump; sandy levee; visited by Jeff Van Gilder and LRO in 2008 for repair assessment; scouring downstream of RR crossing, possibly caused by eddy effects.						
03/13/2007: Site visited on 03/13/2007. [2016 Site ID:RD2095U01RM6.74]						

Photo 3 of 3 : SP_2017_RD2095_322_1_20170407_00003.jpg



Close view of the erosion downstream of the RR ridge.

LM Start	0.90	Rating **	M	Issue No.	9
LM End	1.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.761128 °	37.759201 °
				-121.317645 °	-121.308517 °
DWR ID	DWR_RD2095_01_f_2016_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2095_322_9_20170421_00028.jpg



View of the vegetation on the landside levee slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	1.27	Rating **	M	Issue No.	13
LM End	1.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.759477 °	37.759477 °
				-121.311564 °	-121.311564 °
DWR ID	DWR_RD2095_01_s_2017_13				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2095_322_13_20170421_00029.jpg



View of the tree limbs that need to be trimmed.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	0.03	Rating **	A/W	Issue No.	9
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.758986 °	37.758986 °
				-121.307854 °	-121.307854 °
DWR ID	DWR_RD2095_02_s_2013_9				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2095_323_9_20170407_00008.jpg



View of the vehicle tire ruts on waterside levee slope.

LM Start	0.04	Rating **	M	Issue No.	15
LM End	0.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.758894 °	37.751095 °
				-121.307741 °	-121.304251 °
DWR ID	DWR_RD2095_02_f_2016_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2095_323_15_20170421_00028.jpg



View of the vegetation on the landside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	0.60	Rating **	M	Issue No.	6
LM End	0.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.751668 °	37.751668 °
				-121.304302 °	-121.304302 °
DWR ID	DWR_RD2095_02_s_2012_6				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Small shrub at the edge of the ditch.					

No Photos

LM Start	0.66	Rating **	M	Issue No.	16
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.750914 °	37.749609 °
				-121.304208 °	-121.302077 °
DWR ID	DWR_RD2095_02_f_2016_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	0.82	Rating **	M	Issue No.	11
LM End	0.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.749644 °	37.749644 °
				-121.301960 °	-121.301960 °
DWR ID	DWR_RD2095_02_s_2016_11				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD2095_323_11_20170407_00009.jpg



Recent view of the vehicle tracks on the waterside levee slope, facing downstream.

LM Start	0.82	Rating **	M	Issue No.	11 (cont)
LM End	0.82	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD2095_323_11_20170407_00010.jpg



View of the vehicle tracks on the waterside levee slope.

LM Start	0.87	Rating **	M	Issue No.	18
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.749635 °	37.748455 °
				-121.300948 °	-121.298987 °
DWR ID	DWR_RD2095_02_f_2016_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2095_323_18_20170421_00029.jpg



View of the vegetation on the landside levee slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	0.94	Rating **	M	Issue No.	22
LM End	0.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.749840 °	37.749840 °
				-121.299705 °	-121.299705 °
DWR ID	DWR_RD2095_02_s_2017_22				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2095_323_22_20170421_00030.jpg



View of the erosion on the levee slope.

LM Start	0.97	Rating **	A/W	Issue No.	941
LM End	0.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.749706 °	37.749706 °
				-121.299237 °	-121.299237 °
DWR ID	DWR_RD2095_02_s_2012_941				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Dense bush within 20' of crown on waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	0.98	Rating **	A/W	Issue No.	940
LM End	0.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.749629 °	37.749629 °
				-121.299040 °	-121.299040 °
DWR ID	DWR_RD2095_02_s_2012_940				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.09	Rating **	N	Issue No.	3
LM End	1.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.748184 °	37.748184 °
				-121.298995 °	-121.298995 °
DWR ID	DWR_RD2095_02_s_2012_3				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
4 stumps					

Photo 1 of 1 : SP_2017_RD2095_323_3_20170407_00006.jpg



View of the tree stumps on the landside levee slope..

LM Start	1.23	Rating **	M	Issue No.	23
LM End	2.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.746268 °	37.729439 °
				-121.298501 °	-121.299053 °
DWR ID	DWR_RD2095_02_s_2017_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2095_323_23_20170421_00031.jpg



View of the vegetation on the landside levee slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	1.30	Rating **	N	Issue No.	8	
LM End	1.30	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Trim / Thin Trees			37.745343 °	37.745343 °	
				-121.297620 °	-121.297620 °	
DWR ID	DWR_RD2095_02_f_2012_8					
Comment Code						
T5 : Tree stumps.						
Inspector Comment						
Two tree stumps.						

No Photos

LM Start	1.35	Rating **	A/W	Issue No.	195
LM End	1.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.744746 °	37.744746 °
				-121.297695 °	-121.297695 °
DWR ID	DWR_RD2095_02_s_2014_195				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion site repaired February 2017.					

Photo 1 of 2 : SP_2017_RD2095_323_195_20170421_00032.jpg



View of the repaired erosion site. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	1.35	Rating **	A/W	Issue No.	195 (cont)	
LM End	1.35	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.744746 °	37.744746 °	
				-121.297695 °	-121.297695 °	
DWR ID	DWR_RD2095_02_s_2014_195					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Erosion site repaired February 2017.						

Photo 2 of 2 : SP_2017_RD2095_323_195_20170407_00018.jpg



View of the erosion on the waterside levee slope possibly eroding into the levee prism.

LM Start	1.48	Rating **	M	Issue No.	942
LM End	1.48	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.743142 °	37.743142 °
				-121.297692 °	-121.297692 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19863					
DS_ID:21642					
EP_NO: 4658					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears abandoned in place and re-routed to LM 1.652. Need to verify pipe was properly abandoned. Permit FIELD_STRUCT_DESC: *ABANDONED* 14-inch pipe through levee 3.5-feet below crown. Pump on structure over drain ditch on the landward side. Flap gate on the waterward end (Permit No. 4658). Originally included in the 1968 O&M manual.					
FS Date: 9/10/2013					

Photo 1 of 1 : UCIP_SP_2017_19863_33760.jpg



Pump visible on LS toe, but pipe has been re-routed to southwest.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	1.50	Rating **	A/W	Issue No.	12
LM End	1.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.742828 °	37.742828 °
				-121.297532 °	-121.297532 °
DWR ID	DWR_RD2095_02_s_2012_12				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.74	Rating **	M	Issue No.	1
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.740196 °	37.740196 °
				-121.297662 °	-121.297662 °
DWR ID	DWR_RD2095_02_s_2017_1				
Comment Code					
Inspector Comment					
07/20/2016: The erosion extended toward the levee toe. The berm width was reduced by approximately five (5) feet.					
08/04/2015: No significant change observed.					
07/02/2014: No significant change observed.					
08/28/2013: No significant change observed.					
09/13/2012: The site has been visited by land survey. The vegetation on the site shows the erosion has not developed significantly from the last survey.					
The site was not visited by boat survey due to the limitation of navigable waterway.					
08/23/2011: No significant change observed.					
9/22/2010: No significant change observed. There is moderate vegetation growth on the berm. Despite the erosion occurring on the berm, corrective action should be taken before the issue becomes severe.					
9/29/2009: Site is immediately downstream of a section of existing rip rap; there is a 20-foot berm remaining; berm will continue to erode unless erosion is mitigated; Site# is the same as RM62.6, LM1.87; recommended for annual assessment, per CES Evaluation 2008 Report					
2006: Visited 10/20/06 [2016 Site ID:RD2095U02RM60.62]					

Photo 1 of 3 : SP_2017_RD2095_323_1_20170407_00001.jpg



Looking at the erosion from downstream of the site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	1.74	Rating **	M	Issue No.	1 (cont)
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.740196 °	37.740196 °	
			-121.297662 °	-121.297662 °	

DWR ID DWR_RD2095_02_s_2017_1

Comment Code

Inspector Comment

07/20/2016: The erosion extended toward the levee toe. The berm width was reduced by approximately five (5) feet.

08/04/2015: No significant change observed.

07/02/2014: No significant change observed.

08/28/2013: No significant change observed.

09/13/2012: The site has been visited by land survey. The vegetation on the site shows the erosion has not developed significantly from the last survey.

The site was not visited by boat survey due to the limitation of navigable waterway.

08/23/2011: No significant change observed.

9/22/2010: No significant change observed. There is moderate vegetation growth on the berm. Despite the erosion occurring on the berm, corrective action should be taken before the issue becomes severe.

9/29/2009: Site is immediately downstream of a section of existing rip rap; there is a 20-foot berm remaining; berm will continue to erode unless erosion is mitigated; Site# is the same as RM62.6, LM1.87; recommended for annual assessment, per CES Evaluation 2008 Report 2006: Visited 10/20/06 [2016 Site ID:RD2095U02RM60.62]

LM Start	1.74	Rating **	M	Issue No.	1 (cont)
LM End	1.77	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2017_RD2095_323_1_20170407_00002.jpg



Looking at the erosion from upstream of the site

Photo 3 of 3 : SP_2017_RD2095_323_1_20170407_00003.jpg



Close view of the site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	04/18/2017 04/18/2017	Maksim Khashchuk

Photo 1 of 2 : SP_2017_RD2095_323_2_20170407_00004.jpg

A photograph showing a gravel road on the right side, bordered by dry, yellowish-brown grass. To the left of the grass is a calm body of water, possibly a reservoir or lake. The far side of the water is lined with green trees and shrubs under a clear blue sky. The image is labeled as 'Photo 1 of 2' with a file name 'SP_2017_RD2095_323_2_20170407_00004.jpg' at the top.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	1.82	Rating **	M	Issue No.	2 (cont)	
LM End	1.86	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.738880 °	37.738880 °	
				-121.298260 °	-121.298260 °	
DWR ID	DWR_RD2095_02_s_2017_2					
Comment Code						
Inspector Comment						
07/20/2016: No significant change observed. Dense vegetation blocks the visual inspection at the site.						
08/04/2015: No significant change observed.						
7/02/2014: No significant change observed.						
08/28/2013: No significant change observed. Dense vegetation blocks the visual inspection at the site.						
09/13/2012: The site has been visited by land survey. The erosion is not visible from the levee slope because of dense vegetation at the site. Levee slope is protected by placed rocks. The site was not visited by boat survey due to the limitation of navigable waterway.						
08/23/2011: Dense vegetation makes it difficult to view the possible erosion. No new development was observed on site.						
09/23/2010: At the time of the inspection, the erosion site was difficult to view from the levee. The erosion is located on the bank toe, below the existing rip rap. There were no signs of repair on site, nor has the site been reported to be repaired by the district. Images taken from last year indicate that existing rip rap at the bank toe has sloughed exposing the underlying soils. Weakening of the toe could lead to future bank instability.						
08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO.						
09/29/2009: No major change observed since last visit; sloughing of the rip rap above toe; erosion begins immediately downstream of existing rip rap revetment; roughly 15-foot berm remains; however, it will continue to erode and eventually intrude into the levee profile if left untreated.						
10/20/2006: Just upstream of where berm starts to widen. [2016 Site ID:RD2095U02RM60.69]						

Photo 2 of 2 : SP_2017_RD2095_323_2_20170407_00005.jpg



The erosion is not visible from the levee top. The levee slope is protected by riprap rocks.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	2.09	Rating **	M	Issue No.	19
LM End	2.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.735276 °	37.735276 °
				-121.297777 °	-121.297777 °
DWR ID	DWR_RD2095_02_f_2016_19				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD2095_323_19_20170407_00014.jpg



View of the erosion on the waterside levee slope.

LM Start	2.09	Rating **	M	Issue No.	19 (cont)
LM End	2.09	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD2095_323_19_20170407_00015.jpg



View of the erosion caused by excavation on the waterside levee slope.

LM Start	2.12	Rating **	A/W	Issue No.	20
LM End	2.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.734858°	37.734858°
				-121.297758°	-121.297758°
DWR ID	DWR_RD2095_02_s_2012_20				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	2.38	Rating **	A/W	Issue No.	945
LM End	2.38	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.731313 °	37.731313 °
				-121.298298 °	-121.298298 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19871 DS_ID:21644 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 8-inch steel stormdrain pipe through the levee 3.0-feet below the crown. Pump in drain ditch on the landward side. Vent pipe at the toe of the waterward slope. 1.5-inch galvanized iron electrical conduit through levee at same location. Service pole with switch box and meter on the landward side. Originally included in the 1968 O&M manual. FS Date: 9/10/2013					

Photo 1 of 2 : UCIP_SP_2017_19871_33778.jpg



Pump on metal pier off LS toe.

Photo 2 of 2 : UCIP_SP_2017_19871_33777.jpg



Vent standpipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	04/18/2017 04/18/2017	Maksim Khashchuk

LM Start	2.73	Rating **	U	Issue No.	24
LM End	2.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.726424 °	37.725679 °
				-121.299685 °	-121.299799 °
DWR ID	DWR_RD2095_02_s_2017_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2095_323_24_20170421_00034.jpg



View of the vegetation on the landside levee slope.

LM Start	2.85	Rating **	M	Issue No.	21
LM End	2.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.724647 °	37.724647 °
				-121.299749 °	-121.299749 °
DWR ID	DWR_RD2095_02_f_2016_21				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD2095_323_21_20170407_00016.jpg



View of the landside levee slope erosion.

LM Start	2.85	Rating **	M	Issue No.	21 (cont)
LM End	2.85	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD2095_323_21_20170407_00017.jpg



Another view of the landside levee slope erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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